This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.
As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

PORTAL
US Patent & Trademark Office
Subscribe (Full Service) Register (Limited Service, Free) Login
Search: ◉ The ACM Digital Library ○ The Guide
SEARCH

Nothing Found

Your search for did not return any results.

You may want to try an Advanced Search for additional options.

Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

- Enter your search terms in lower case with a space between the terms.

  ```
  sales offices
  ```

  You can also enter a full question or concept in plain language.

  ```
  Where are the sales offices?
  ```

- Capitalize proper nouns to search for specific people, places, or products.

  ```
  John Colter, Netscape Navigator
  ```

- Enclose a phrase in double quotes to search for that exact phrase.

  ```
  "museum of natural history" "museum of modern art"
  ```

- Narrow your searches by using a + if a search term must appear on a page.

  ```
  museum +art
  ```

- Exclude pages by using a - if a search term must not appear on a page.

  ```
  museum -Paris
  ```

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

```
museum +"natural history" dinosaur -Chicago
```

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: ◉ The ACM Digital Library ○ The Guide

local <near/10> telephone <near/10> servic* <near/10> outs SEARCH

THE ACM DIGITAL LIBRARY

Advanced Search

Search Tips

Enter words, phrases or names below. Surround phrases or full names with double quotation marks.

Search within Results: **8,965** found

local <near/10> telephone <near/10> servic* <near/10> outside

Clear result set

SEARCH

Desired Results:

must have **all** of the words or phrases

must have **any** of the words or phrases

must have **none** of the words or phrases

Name or Affiliation:

Authored by: ◉ all ○ any ○ none

Edited by: ◉ all ○ any ○ none

Reviewed by: ◉ all ○ any ○ none

Only search in:*

○ Title ○ Abstract ○ Review ◉ All Information

SEARCH

*Searches will be performed on all available information, including full text where available, unless specified above.

ISBN / ISSN: ◉ Exact ○ Expand

DOI: ◉ Exact ○ Expand

SEARCH

Published:

By: ◉ all ○ any ○ none

In: ◉ all ○ any ○ none

Since: August 2000

Before: Month Year

As: Any type of publication

Conference Proceeding:

Sponsored By:

Conference Location:

Conference Year: yyyy

SEARCH

Classification: (CCS) ☐ **Primary Only**

Classified as: ◉ all ○ any ○ none

Subject Descriptor: ◉ all ○ any ○ none

Keyword Assigned: ◉ all ○ any ○ none

Results must have accessible:

☐ Full Text ☐ Abstract ☐ Review

SEARCH

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore RELEASE 1.8

Welcome
United States Patent and Trademark Office

» Sea

Help FAQ Terms IEEE Peer Review

Quick Links

Welcome to IEEE Xplore

- Home
- What Can I Access?
- Log-out

Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

Search

- By Author
- Basic
- Advanced

Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

Your search matched **0** of **1058483** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

local <near/10> telephone <near/10> servic* <near/10> Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

---

Results:
No documents matched your query.

Print Format

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account | New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online Publications | Help | FAQ | Terms | Back to Top

Copyright © 2004 IEEE — All rights reserved

L Number	Hits	Search Text	DB	Time stamp
1	289	telecommunication$1 near10 network$3 near10 manag$4 near10 servic$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:08
2	558	operation$1 adj1 architecture$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:08
3	3	(satellite$1 near5 interface$1 near10 mobile) and 709/223-225.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:08
4	73	provid$6 near10 local$1 near10 servic$4 near10 roam$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:09
5	2235	709/223-225.ccls. and network$3 near3 manag$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:09
6	27	709/223-225.ccls. and operation$1 adj1 architecture$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:09
7	5	provid$4 near10 telephon$4 near10 call$3 near10 appear$4 near10 local	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:09
11	176	protocol$1 near10 local near10 telephone$1 and @ad<19991130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:09
8	109	709/223-225.ccls. and sniffer$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:09
9	80	protocol$1 near10 local near10 telephone$1 near10 network$4 and @ad<19991130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:09
10	193	(telephone$1 near10 protocol$1 near10 (convert$4 conversion$3)).ab.ti. and @ad<19991130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:09
12	91	satellite$1 near5 interface$1 near10 mobile	USPAT	2004/08/05 09:11
13	143	telecommunication$1 near10 network$3 near10 manag$4 near10 servic$4 and @ad<19991130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/05 09:11
-	250	709/223-225.ccls. and operat$5 near5 architecture$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 09:24

-	113	(709/223-225.ccls. and operat$5 near5 architecture$1) and (709/223-225.ccls. and network$3 near3 manag$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 09:24
-	7	((709/223-225.ccls. and operat$5 near5 architecture$1) and (709/223-225.ccls. and network$3 near3 manag$4)) and (709/223-225.ccls. and sniffer$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 09:28
-	0	telecommunication$1 near10 network$3 and provid$4 near10 servic$4 near10 (user$1 or customer$1) near10 outside near10 area$1 near10 local and @ad<19991130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/09 09:11
-	4	telecommunication$1 near10 network$3 and provid$4 near10 servic$4 near10 (user$1 or customer$1) near10 outside near10 area$1 and @ad<19991130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/09 09:11
-	28	provid$4 near10 telephon$3 near10 servic$4 near10 outside near10 area$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/09 09:51
-	175	709/223-225.ccls. and operation$1 adj1 management	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/10 08:40
-	2089516	input "32" near3 bit near5 data near10 output near10 "64" near3 bit near5 data	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/10 08:43
-	15	input near5 "32" near3 bit near5 data near10 output near10 "64" near3 bit near5 data	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/14 09:20
-	21	avellino.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/15 09:27
-	82	avellino	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/15 09:35
-	4	avellino.xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/15 11:12
-	323	paintball	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/15 11:12
-	166	paintball.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/15 11:12
-	90	paintball adj1 gun$1.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/15 11:13

-	136	telecommunication$1 near10 network$3 near10 manag$4 near10 servic$4 and @ad<19991130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/17 10:52
-	18509204	protocol$1 near10 local near10 telephone$1 near10 network$4and @ad<19991130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/29 08:24
-	388	telephone$1 near10 protocol$1 near10 (convert$4 conversion$3) and @ad<19991130	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/29 08:41